PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Farnworth et al.

Serial No.: 09/589,841

Filed: June 8, 2000

For: STEREOLITHOGRAPHIC METHODS FOR FORMING A PROTECTIVE LAYER ON A SEMICONDUCTOR DEVICE SUBSTRATE AND SUBSTRATES INCLUDING PROTECTIVE LAYERS SO FORMED

Confirmation No.: 1415

Examiner: G. Lee

Group Art Unit: 2825

Attorney Docket No.: 2269-3923US
(99-0033.00/US)

NOTICE OF EXPRESS MAILING

Express Mail Mailing Label Number: EV325771357US

Date of Deposit with USPS: November 21, 2003

Person making Deposit: Christopher Haughton

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

U.S. Patent No.	Publication Date	Patentee
6,251,488	06/26/01	Miller et al.
6,259,962	07/10/01	Gothait
6,268,584	07/31/01	Keicher et al.
6,326,698	12/04/01	Akram
6,391,251	05/21/02	Keicher et al.
6,432,752	08/13/02	Farnworth
6,482,576	11/19/02	Farnworth et al.
6,489,007	12/03/02	Grigg et al.
6,514,798	02/04/03	Farnworth
6,544,821	04/08/03	Akram
6,544,902	04/08/03	Farnworth
6,549,821	04/15/03	Farnworth et al.
6,562,278	05/13/03	Farnworth et al.
6,585,927	07/01/03	Grigg et al.
6,593,171	07/15/03	Farnworth
6,635,333	10/21/03	Grigg et al.

Other Documents

U.S. Patent Application Publication 2002/0066966 A1 to Farnworth, dated June 6, 2002

U.S. Patent Application Publication 2002/0098623 A1 to Akram, dated July 25, 2002

U.S. Patent Application Publication 2002/0171177 A1 to Kritchman et al., dated November 21, 2002

U.S. Patent Application Publication 2002/0182782 A1 to Farnworth, dated December 5, 2002

U.S. Patent Application Publication 2003/0003180 A1 to Farnworth et al., dated January 2, 2003

U.S. Patent Application Publication 2003/0003380 A1 to Farnworth et al., dated January 2, 2003

U.S. Patent Application Publication 2003/0003405 A1 to Farnworth et al., dated January 2, 2003

U.S. Patent Application Publication 2003/0043360 A1 to Farnworth, dated March 6, 2003

U.S. Patent Application Publication 2003/0068584 A1 to Farnworth et al., dated April 10, 2003

U.S. Patent Application Publication 2003/0072926 A1 to Grigg et al., dated April 17, 2003

U.S. Patent Application Publication 2003/0077418 A1 to Grigg et al., dated April 24, 2003

U.S. Patent Application Publication 2003/0089999 A1 to Akram, dated May 15, 2003

U.S. Patent Application Publication 2003/0092220 A1 to Akram, dated May 15, 2003

U.S. Patent Application Publication 2003/0093173 A1 to Farnworth et al., dated May 15, 2003

U.S. Patent Application Publication 2003/0102566 A1 to Farnworth, dated June 5, 2003

U.S. Patent Application Publication 2003/0129787 A1 to Farnworth, dated July 10, 2003

U.S. Patent Application Publication 2003/0151167 A1 to Kritchman et al., dated August 14, 2003

U.S. Patent Application Publication 2003/0203158 A1 to Farnworth et al., dated October 30, 2003

MILLER et al., "Maskless Mesoscale Materials Deposition" , Deposition Technology, September 2001, pages 20-22

MILLER, "New Laser-Directed Deposition Technology", Microelectronic Fabrication, August 2001, page 16

Webpage, Objet Prototyping the Future, "Objet FullCure700 Series", 1 page

Wepage, Objet Prototyping the Future, "How it Works", 2 pages

U.S. Patent Application No. 09/651,930, filed August 31, 2000, entitled "Semiconductor Device Including Leads in Communication with Contact Pads Thereof and a Stereolithographically Fabricated Package Substantially Encapsulating the Leads and Methods for Fabricating the Same", inventor Salman Akram

U.S. Patent Application No. 10/370,755, filed February 20, 2003, entitled "Chip Scale Package Structures and Method of Forming Conductive Bumps Thereon", inventor Warren M. Farnworth

U.S. Patent Application No. 10/455,091, filed June 5, 2003, entitled "Methods for Stereolithographic Processing of Components and Assemblies", inventor Warren M. Farnworth

U.S. Patent Application No. 10/608,749, filed June 26, 2003, entitled "Methods for Labeling Semiconductor Device Components", inventor Grigg et al.

U.S. Patent Application No. 10/619,918, filed July 15, 2003, entitled "Stereolithographic Methods for Fabricating Hermetic Semiconductor Device Packages and Semiconductor Devices Including Stereolithographically Fabricated Hermetic Packages", inventor Warren M. Farnworth

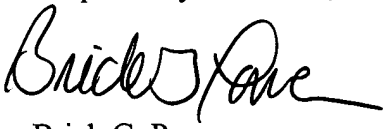
U.S. Patent Application No. 10/672,098, filed September 26, 2003, entitled "Apparatus and Methods for Use in Stereolithographic Processing of Components and Assemblies", inventor Warren M. Farnworth

U.S. Patent Application No. 10/690,417, filed October 20, 2003, entitled "Methods of Coating and Singulating Wafers and Chip-Scale Packages Formed Therefrom", inventor Farnworth et al.

Applicants offer to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

Respectfully submitted,



Brick G. Power
Registration No. 38,581
Attorney for Applicant(s)
TRASKBRITT
P.O. Box 2550
Salt Lake City, Utah 84110-2550
Telephone: 801-532-1922

Date: November 21, 2003
BGP/sls:djp

Enclosures: Form PTO-1449 or PTO/SB/08
Copy of documents cited

Document in ProLaw

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 4

Complete if Known	
Application Number	09/589,841
Filing Date	June 8, 2000
First Named Inventor	Farnworth et al.
Group Art Unit	2825
Examiner Name	G. Lee
Attorney Docket Number	3923US (99-0033.00/US)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	Document Number Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,251,488	06/26/01	Miller et al.	
		US- 6,259,962	07/10/01	Gothait	
		US- 6,268,584	07/31/01	Keicher et al.	
		US- 6,326,698	12/04/01	Akram	
		US- 6,391,251	05/21/02	Keicher et al.	
		US- 6,432,752	08/13/02	Farnworth	
		US- 6,482,576	11/19/02	Farnworth et al.	
		US- 6,489,007	12/03/02	Grigg et al.	
		US- 6,514,798	02/04/03	Farnworth	
		US- 6,544,821	04/08/03	Akram	
		US- 6,544,902	04/08/03	Farnworth	
		US- 6,549,821	04/15/03	Farnworth et al.	
		US- 6,562,278	05/13/03	Farnworth et al.	
		US- 6,585,927	07/01/03	Grigg et al.	
		US- 6,593,171	07/15/03	Farnworth	
		US- 6,635,333	10/21/03	Grigg et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B(10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 4

Complete if Known	
Application Number	09/589,841
Filing Date	June 8, 2000
First Named Inventor	Farnworth et al.
Group Art Unit	2825
Examiner Name	G. Lee
Attorney Docket Number	3923US (99-0033.00/US)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		U.S. Patent Application Publication 2002/0066966 A1 to Farnworth, dated June 6, 2002	
		U.S. Patent Application Publication 2002/0098623 A1 to Akram, dated July 25, 2002	
		U.S. Patent Application Publication 2002/0171177 A1 to Kritchman et al., dated November 21, 2002	
		U.S. Patent Application Publication 2002/0182782 A1 to Farnworth, dated December 5, 2002	
		U.S. Patent Application Publication 2003/0003180 A1 to Farnworth et al., dated January 2, 2003	
		U.S. Patent Application Publication 2003/0003380 A1 to Farnworth et al., dated January 2, 2003	
		U.S. Patent Application Publication 2003/0003405 A1 to Farnworth et al., dated January 2, 2003	
		U.S. Patent Application Publication 2003/0043360 A1 to Farnworth, dated March 6, 2003	
		U.S. Patent Application Publication 2003/0068584 A1 to Farnworth et al., dated April 10, 2003	
		U.S. Patent Application Publication 2003/0072926 A1 to Grigg et al., dated April 17, 2003	
		U.S. Patent Application Publication 2003/0077418 A1 to Grigg et al., dated April 24, 2003	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B(10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 4

Complete if Known	
Application Number	09/589,841
Filing Date	June 8, 2000
First Named Inventor	Farnworth et al.
Group Art Unit	2825
Examiner Name	G. Lee
Attorney Docket Number	3923US (99-0033.00/US)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T [2]
		U.S. Patent Application Publication 2003/0089999 A1 to Akram, dated May 15, 2003	
		U.S. Patent Application Publication 2003/0092220 A1 to Akram, dated May 15, 2003	
		U.S. Patent Application Publication 2003/0093173 A1 to Farnworth et al., dated May 15, 2003	
		U.S. Patent Application Publication 2003/0102566 A1 to Farnworth, dated June 5, 2003	
		U.S. Patent Application Publication 2003/0129787 A1 to Farnworth, dated July 10, 2003	
		U.S. Patent Application Publication 2003/0151167 A1 to Kritchman et al., dated August 14, 2003	
		U.S. Patent Application Publication 2003/0203158 A1 to Farnworth et al., dated October 30, 2003	
		MILLER et al., "Maskless Mesoscale Materials Deposition" , Deposition Technology, September 2001, pages 20-22	
		MILLER, "New Laser-Directed Deposition Technology", Microelectronic Fabrication, August 2001, page 16	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B(10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 4

Complete if Known	
Application Number	09/589,841
Filing Date	June 8, 2000
First Named Inventor	Farnworth et al.
Group Art Unit	2825
Examiner Name	G. Lee
Attorney Docket Number	3923US (99-0033.00/US)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		Webpage, Objet Prototyping the Future, "Objet FullCure700 Series", 1 page	
		Wepage, Objet Prototyping the Future, "How it Works", 2 pages	
		U.S. Patent Application No. 09/651,930, filed August 31, 2000, entitled "Semiconductor Device Including Leads in Communication with Contact Pads Thereof and a Stereolithographically Fabricated Package Substantially Encapsulating the Leads and Methods for Fabricating the Same", inventor Salman Akram	
		U.S. Patent Application No. 10/370,755, filed February 20, 2003, entitled "Chip Scale Package Structures and Method of Forming Conductive Bumps Thereon", inventor Warren M. Farnworth	
		U.S. Patent Application No. 10/455,091, filed June 5, 2003, entitled "Methods for Stereolithographic Processing of Components and Assemblies", inventor Warren M. Farnworth	
		U.S. Patent Application No. 10/608,749, filed June 26, 2003, entitled "Methods for Labeling Semiconductor Device Components", inventor Grigg et al.	
		U.S. Patent Application No. 10/619,918, filed July 15, 2003, entitled "Stereolithographic Methods for Fabricating Hermetic Semiconductor Device Packages and Semiconductor Devices Including Stereolithographically Fabricated Hermetic Packages", inventor Warren M. Farnworth	
		U.S. Patent Application No. 10/672,098, filed September 26, 2003, entitled "Apparatus and Methods for Use in Stereolithographic Processing of Components and Assemblies", inventor Warren M. Farnworth	
		U.S. Patent Application No. 10/690,417, filed October 20, 2003, entitled "Methods of Coating and Singulating Wafers and Chip-Scale Packages Formed Therefrom", inventor Farnworth et al.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.